

A vertical sidebar on the left side of the slide, containing a series of small, square icons. From top to bottom, the icons are: a blue and white fingerprint, a blue and white fingerprint, a yellow and black wireframe face, a solid blue square, a red and black eye, a blue and white fingerprint, a solid blue square, a yellow and black wireframe face, a yellow and black wireframe face, a solid blue square, and a blue and white fingerprint.

# **National Science & Technology Council**

## ***Interagency Working Group on Biometrics***

A large, faint, grayscale fingerprint pattern serves as a background for the lower half of the slide. In the lower-left corner of this pattern, three small rectangular areas are highlighted with red borders. From each of these red boxes, a thin black vertical line extends downwards towards the bottom of the slide.

### **Interagency RDT&E Coordination**

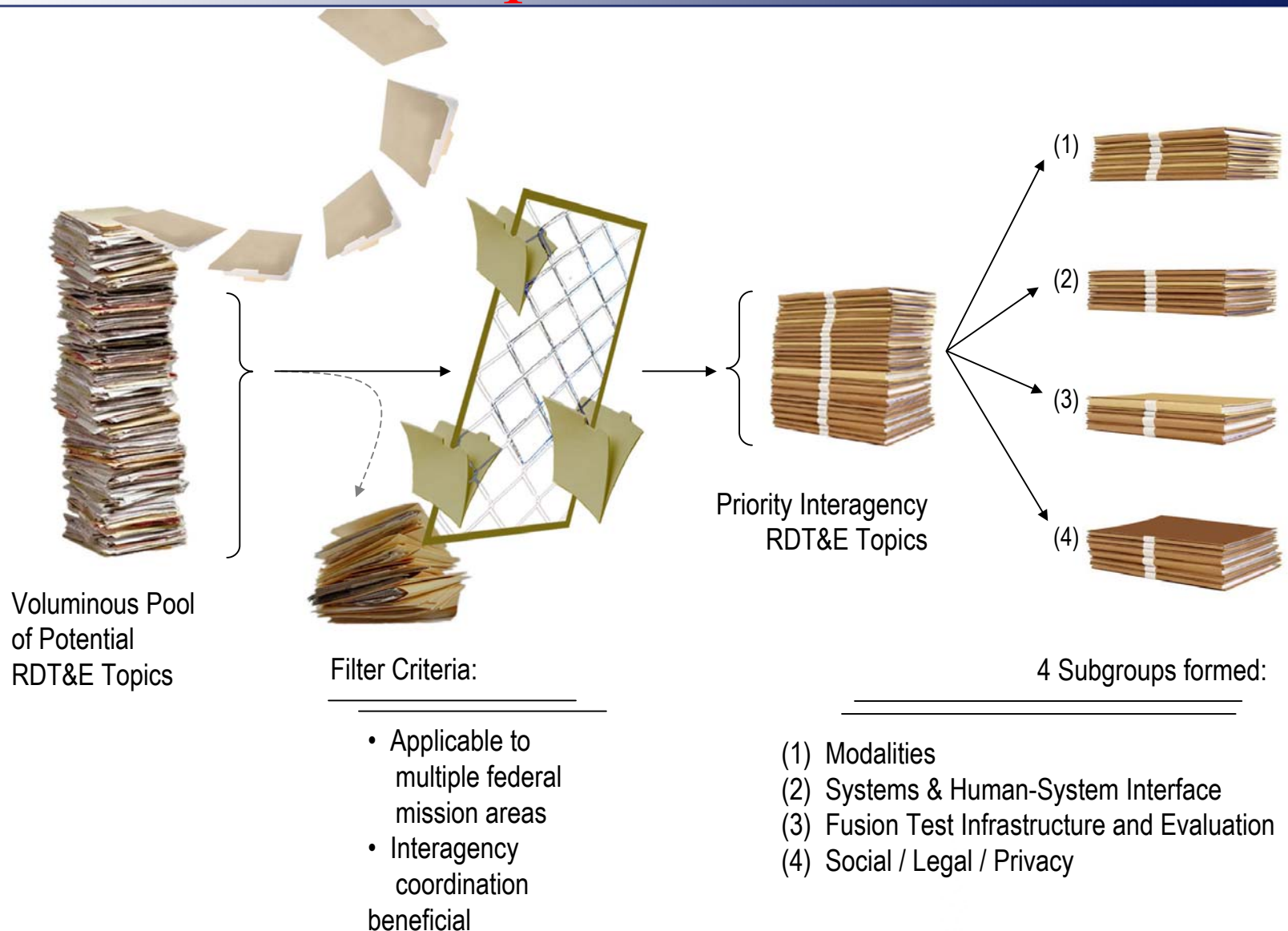
**September 21, 2004**

Duane Blackburn

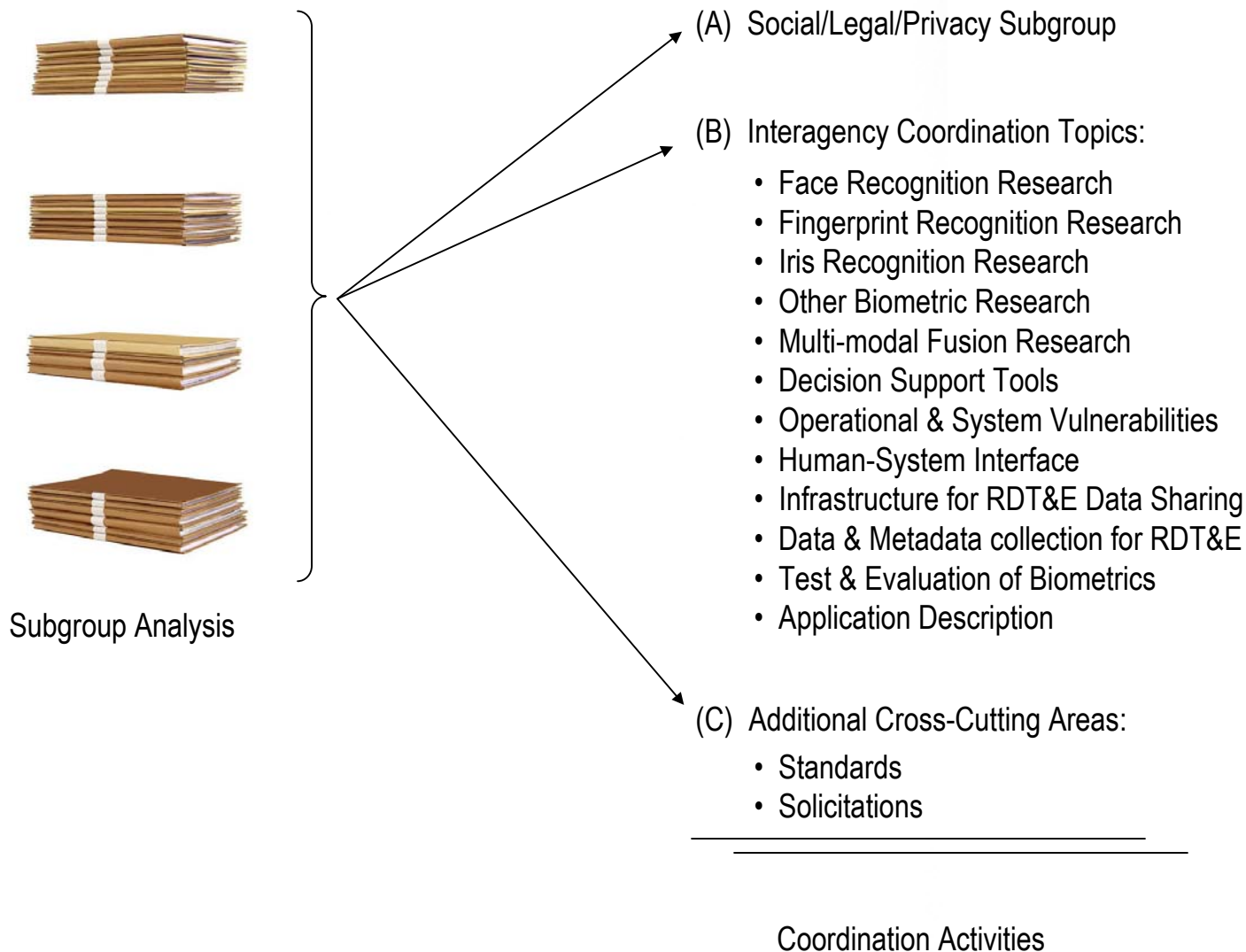
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# Topic Selection



# Topic Selection





# **National Science & Technology Council**

## ***Interagency Working Group on Biometrics***

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**September 21, 2004**

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# Interagency Coordination Topics

- **Face Recognition Research**
- **Fingerprint Recognition Research**
- **Iris Recognition Research**
- **Other Biometric Research**
- Multi-modal Fusion Research
- Decision Support Tools
- Operational & System Vulnerabilities
- Human-System Interface
- Infrastructure for RDT&E Data Sharing
- Data & Metadata collection for RDT&E
- Test & Evaluation of Biometrics
- Application Description



# Interagency Coordination Plan (ICP)

## *Face Recognition Research*

- Face Recognition technology
  - highly accurate for *some* applications
  - additional research still needed
- Face Recognition Vendor Test 2002
  - most recent large-scale evaluation completed
  - provides an overview of capabilities and limitations
- Advancement is dependent upon
  - a combination of in-depth studies of particular issues (e.g., indoor vs. outdoor)
  - incremental algorithm improvements
  - new approaches to the problem (high-resolution 2D and 3D face recognition)



## Coordination Activities

- Face Recognition Grand Challenge
  - FY04-FY05; overall evaluation planned at conclusion
  - Will challenge universities and commercial entities to improve algorithms
- Information Sharing and Outreach
  - Ensure lessons learned are shared throughout the community
- Human Performance
  - Raise awareness of issues surrounding humans' recognition of other humans (you don't know who you don't know)